

Approved Project/Building List  
ARRA Funding  
Project Status Report

Agency	Building Name	Project Name	Location	City	Building Area (sf)	Project Description	Project Cost	Source Btu Saved per year	\$ Saved per year	Million Source Btu Saved per year Per \$1,000 Spent	Payback Period (years)	Current Status
HHS	LIBRARY/MEETING ROOMS, BLDG #2A	Lighting Upgrade	North	Sparks	5,589	Replace Ballasts and lamps in the T12 fixtures to T8 high output.	4,200	269,710,277	3,076	64	1	Agency Agreement Executed, NSOE Approved
HHS	SRC ADMINISTRATION, BLDG #605	Lighting Upgrade	North	Sparks	7,117	Replace Ballasts and lamps in the 4 foot T12 fixtures to T8 high output. Add occupancy sensors. Replace non 4 foot t12 fixtures	7,700	409,900,344	4,675	53	2	Agency Agreement Executed, NSOE Approved
HHS	ADMINISTRATION BUILDING #1	Lighting Upgrade	North	Sparks	27,374	Replace 8 foot t12 fixtures, replace ballasts and lamps in 4 foot T12 fixtures to T8 high output, replace incandescent fixtures and add occupancy sensors	24,744	1,026,760,351	11,709	41	2	Agency Agreement Executed, NSOE Approved
CNR	NURSERY SHOP	Lighting Upgrade	North	Washoe Valley	480	T12 ballasts and lamps will be upgraded to T8 high output type and add occupancy sensors	900	35,862,575	409	40	2	Agency Agreement Executed, NSOE Approved
HHS	SRC ICF/MR DUAL DIAGNOSIS BLDG #345	Lighting Upgrade	North	Sparks	2,428	Replace ballasts and lamps in T12 Fixtures with T8 high output and Relamp T8 Fixtures and add occupancy sensors	1,008	36,804,623	420	37	2	Agency Agreement Executed, NSOE Approved
HHS	SRC TRAINING & ADMIN, BLDG #600-601	Lighting Upgrade	North	Sparks	13,386	The T12's will be upgraded with new ballasts and lamps (t8 high output type), the T8's will be relamped and occupancy sensors will be added.	9,528	318,613,789	3,634	33	3	Agency Agreement Executed, NSOE Approved
HHS	SRC ICF/MR, BLDG #603, 2 6-BED HOME	Lighting Upgrade	North	Sparks	6,725	The T12's will be upgraded with new ballasts and lamps (t8 high output type), the T8's will be relamped and occupancy sensors will be added.	1,290	42,679,428	487	33	3	Agency Agreement Executed, NSOE Approved
Military	Army Aviation Support Facility (AASF)	Lighting Upgrade	North	Stead	72,292	400 watt metal halides, T12's exit lights	105,600	3,361,004,993	38,329	32	3	Agency Agreement Executed, NSOE Approved
AttGen	HEROES MEMORIAL BUILDING	Lighting Upgrade	North	Carson City	13,992	Relamp with 25 W's and Occupancy Sensors, retrofit T12's	12,000	373,231,602	4,256	31	3	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	BENCHMARK GROUP HOME#1, BLDG #8B	Lighting Upgrade	North	Sparks	5,237	Replace 8 foot t12 fixtures, replace ballasts and lamps in 4 foot T12 fixtures to T8 high output, replace incandescent fixtures and add occupancy sensors	3,195	95,296,643	1,087	30	3	Agency Agreement Executed, NSOE Approved
ETR	Carson City Office	Lighting Upgrade	North	Carson City	30,920	T12's to High Output T8's lamps and ballasts only. Includes 2x2 t12 U-Tubes and 4 Lamp T12's. Incandescent cans will have the fixtures replaced with pin type fluorescents. Computer Room T8's will be relamped with high output lamps. Add occupancy sensors. Exterior metal halides will be replaced	92,304	2,592,775,280	29,568	28	3	Contracted Design, Agency Agreement Executed, NSOE Approved

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Agricult	Office Building	Lighting Upgrade	South	Las Vegas	7,087	Replace T12 fixtures with T8 fixtures high output type, Relamp T8 Fixtures add occupancy Sensors	26,250	700,935,517	7,994	27	3	Contracted Design, Agency Agreement Executed, NSOE Approved
CultAffr	MARJORIE RUSSELL RESEARCH CENTER	Lighting Upgrade	North	Carson City	6,000	Replace fixtures and add Occupancy Sensors	15,840	421,311,164	4,805	27	3	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	LAKES CROSSING SECURITY UNIT, BLDG #13	Lighting Upgrade	North	Sparks	35,804	T12's fixtures will have ballasts and lamps replaced with T8 high output. T8's will be relamped with High Output T8 lamps. Metal Halides will be replaced with Metal Halide high bay fixtures will be replaced with T5 . fluorescents. Incandescents lamps will be replace with cfl lamps	18,084	447,997,206	5,109	25	4	Agency Agreement Executed, NSOE Approved
CultAffr	WABUSKA DEPOT	Lighting Upgrade	North	Carson City	1,920	Existing are incandescent lamps and the lamps will be replaced with period CFL's.	720	17,537,569	200	24	4	Contracted Design, Agency Agreement Executed, NSOE Approved
Gaming	SAWYER	HVAC Control System Upgrade	South	Las Vegas	224,000	Reprogram DDC to eliminate flow stations on main air handlers	23,000	164,891,000	6,281	7	4	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
HHS	SRC ICF/MR 6-BED HOME BUILDING #606	Lighting Upgrade	North	Sparks	4,829	The T12's will be ugraded with new ballasts and lamps (t8 high output type), the T8's will be relamped and occupancy sensors will be added.	3,960	93,387,556	1,065	24	4	Agency Agreement Executed, NSOE Approved
VetSvc	Veteran's Home	Lighting Upgrade	South	Boulder City	82,004	Lighting Retrofit at a Minimum	66,846	1,519,046,811	17,323	23	4	Contracted Design, Agency Agreement Executed, NSOE Approved
Wildlife	Reno HQ	Lighting Upgrade	North	Reno	14,720	T8 fixtures will be relamped. 8 foot T12 fixtures will be replaced, Incandescent fixttures will be relamped with CFL's. 4 foot T12 fixtures will have the ballasts and lamps upgraded to T8 High Output.	53,508	1,202,309,139	13,711	22	4	Agency Agreement Executed, NSOE Approved
HHS	SRC ICF/MR, BLDG #602, 6-BED HOME	Lighting Upgrade	North	Sparks	3,444	Replace Ballasts and lamps in the T12 fixtures to T8 high output. Add occupancy sensors	6,840	148,488,845	1,693	22	4	Agency Agreement Executed, NSOE Approved
Gaming	SAWYER	HVAC Control System Upgrade	South	Las Vegas	224,000	DDC control modification to allow setback of individual VAV's	75,000	487,000,000	18,550	6	4	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
HHS	BENCHMARK GROUP HOME #2, BLDG #8C	Lighting Upgrade	North	Sparks	5,237	Replace 2x2 foot t12 fixtures, replace ballasts and lamps in 4 foot T12 fixtures to T8 high output, replace incandescent fixtures and add occupancy sensors	3,565	73,583,484	839	21	4	Agency Agreement Executed, NSOE Approved

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Supreme Court	SUPREME COURT	Lighting Upgrade	North	Carson City	118,900	U tube T8's, Incandescent chandeliers, metal halide 250 w, sconces with 13 watt bi-x, fluorescent tubes are t8s except indirect lighting tubes are fluorescent t12's and many incandescent cans (i.e., PAR38's). Pull the dimmers add occupancy sensors and replace the incandescent cans with CFLs.	250,000	5,129,739,000	58,500	21	4	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	CANTEEN/CAC/DROP-IN CENTER BUILDING #2	Lighting Upgrade	North	Sparks	9,839	Replace Ballasts and lamps in the T12 fixtures to T8 high output.	10,980	224,896,877	2,565	20	4	Agency Agreement Executed, NSOE Approved
HHS	WASHOE COM. MEDICAL CLINIC BUILDING #5	Lighting Upgrade	North	Sparks	5,483	Replace T12 Fixtures and Relamp T8 Fixtures	6,960	139,538,020	1,591	20	4	Agency Agreement Executed, NSOE Approved
HHS	HAND UP HOMES FOR YOUTH, BLDG #8	Lighting Upgrade	North	Sparks	25,839	Replace Large T12 Fixtures and Relamp T8 Fixtures. Change ballast and lamps in 4 foot t12 fixtures to T8 high output. Add occupancy Sensors	23,898	456,166,030	5,202	19	5	Agency Agreement Executed, NSOE Approved
CultAffr	ANNEX ADDITION	Lighting Upgrade	North	Carson City	19,000	HID lights will be replaced with T5 highbay fixtures. Incandescent track lights will be replaced with 4 foot fluorescent fixtures. Exit LED signs will be added. T12 yellow archive lights will be replaced with T8 fixtures. Limited occupancy sensors will be utilized. Other T12's will have ballasts and lamps replaced with T8 high output type.	43,980	803,439,890	9,163	18	5	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	DCFS ADOLESCENT GROUP HOME #8A	Lighting Upgrade	North	Sparks	5,237	Replace 8 foot t12 fixtures, replace ballasts and lamps in 4 foot T12 fixtures to T8 high output, and add occupancy sensors	9,545	171,781,736	1,959	18	5	Agency Agreement Executed, NSOE Approved
ETR	Day Labor	Lighting Upgrade	South	Las Vegas	2,400	From HID to T8, 4tube T12 to relight T8	16,080	282,004,113	3,216	18	5	Contracted Design, Agency Agreement Executed, NSOE Approved
Trans	BUILDING D	Lighting Upgrade	North	Reno	10,502	See Vehicle Storage Building.	1				5	Agency Agreement Executed, NSOE Approved
Trans	MAINTENANCE SHOP	Lighting Upgrade	Rural	Tonopah	2,913	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved
Trans	CREW OFFICE BLDG	Lighting Upgrade	Rural	Tonopah	2,913	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved
Trans	VEHICLE STORAGE WEST	Lighting Upgrade	Rural	Tonopah	10,225	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved

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Trans	MATERIAL STORAGE BUILDING	Lighting Upgrade	Rural	Tonopah	1,344	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved
Trans	VEHICLE STORAGE EAST	Lighting Upgrade	Rural	Tonopah	10,225	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved
Trans	ADMIN OFFICE	Lighting Upgrade	Rural	Tonopah	3,480	See Maintenance Station.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY OFFICE / SHOP	Lighting Upgrade	Rural	Mason Valley	12,008	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY BUILDING	Lighting Upgrade	Rural	Mason Valley	14,855	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY DRY STORAGE	Lighting Upgrade	Rural	Mason Valley	1,323	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY VEHICLE STORAGE	Lighting Upgrade	Rural	Mason Valley	5,063	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY PUMP HOUSE B	Lighting Upgrade	Rural	Mason Valley	1,160	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 1	Lighting Upgrade	Rural	Mason Valley	1,972	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 2	Lighting Upgrade	Rural	Mason Valley	1,972	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 3	Lighting Upgrade	Rural	Mason Valley	1,972	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 4	Lighting Upgrade	Rural	Mason Valley	1,972	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 5	Lighting Upgrade	Rural	Mason Valley	1,972	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RESIDENCE 4 SHOP	Lighting Upgrade	Rural	Mason Valley	480	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY BULK FEED BIN	Lighting Upgrade	Rural	Mason Valley	196	See Raceway Shelter.	1				5	Agency Agreement Executed, NSOE Approved
CNR	NURSERY COOK HOUSE	Lighting Upgrade	North	Washoe Valley	700	see nursery shop.	1				5	Agency Agreement Executed, NSOE Approved

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CultAffr	RESTORATION SHOP	Lighting Upgrade	North	Carson City	7,000	included in annex addition figures.	1				5	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	SRC ICF/MR DUAL DIAGNOSIS, BUILDING #335	Lighting Upgrade	North	Sparks	2,428	Replace Ballasts and lamps in the 4 foot T12 fixtures to T8 high output. Add occupancy sensors.	2,148	37,551,969	428	17	5	Agency Agreement Executed, NSOE Approved
Military	Henderson Armory	Lighting Upgrade	South	Henderson	23,729	Occupancy Sensors to be added and high bay metal hallides will be replaced	18,557	316,481,300	3,609	17	5	Contracted Design, Agency Agreement Executed, NSOE Approved
NSHE	EDISON WAY TECHNOLOGY CENTER	Lighting Upgrade	North	Reno	83,189	T8s with relamp, add occupancy sensors	61,007	1,039,916,877	11,859	17	5	Agency Agreement Executed, NSOE Approved
CNR	RICHARD H. BRYAN BUILDING	Lighting Upgrade	North	Carson City	120,553	T8 Lamp Upgrade relamp. Replace 2x2 fixture and add occupancy sensors	77,640	1,286,486,088	14,671	17	5	1300 fixtures have been relamped; 250 fixtures under evaluation, SPWB Conducting In-House Design, Agency Agreement Executed, NSOE Approved
CNR	NDF/STATE PARKS OFFICE BUILDING	Lighting Upgrade	South	Las Vegas	5,600	Relamp T8's and add occupancy Sensors	8,540	190,180,324	2,169	22	5	Contracted Design, Agency Agreement Executed, NSOE Approved
Wildlife	Las Vegas Office	Lighting Upgrade	South	Las Vegas	5,132	replace T12 ballasts and lamps with T8 high output type add occupancy sensors	12,317	190,130,926	2,168	15	5	Contracted Design, Agency Agreement Executed, NSOE Approved
Wildlife	Warehouse	Lighting Upgrade	South	Las Vegas		T8 relamp to 25W with the addition of Occupancy Sensors	2,808	48,370,019	552	17	5	Contracted Design, Agency Agreement Executed, NSOE Approved
Wildlife	ANNEX	Lighting Upgrade	South	Las Vegas	1,600	replace T12 ballasts and lamps with T8 high output type add occupancy sensors	7,840	97,510,639	1,112	12	5	Contracted Design, Agency Agreement Executed, NSOE Approved
Trans	VEHICLE STORAGE	Lighting Upgrade	North	Reno	26,835	All T12's will have ballasts and lamps replaced to be high output T8's. Wall packs, cobra heads and exit signs will be upgraded. Certain rooms will have occupancy sensors added.	39,600	651,761,839	7,433	16	5	Agency Agreement Executed, NSOE Approved

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MtrVeh	DMV - REG, DL	Lighting Upgrade	South	Las Vegas	31,800	Replace T12 ballasts and lamps with T8 high output type and Metal Halide fixtures. Add occupancy Sensors.	79,572	1,212,718,177	13,830	15	5.8	Contracted Design, Agency Agreement Executed, NSOE Approved
Governor's	CAPITOL	Lighting Upgrade	North	Carson City	54,778	Relamp T8's and CFL's	16,433	240,168,242	2738.9	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
CNR	JOIN	Lighting Upgrade	Rural	Winnemucca	7,900	Relamp T8's and add occupancy Sensors	8,532	124,692,117	1,422	15	6	Agency Agreement Executed, NSOE Approved
NSHE	Flora Dungan	Lighting Upgrade	South	Las Vegas	99,960	T8 to high output T8 relamp and add occupancy sensors	179,928	2,629,583,130	29,988	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
Tourism	PAUL LAXALT STATE BUILDING	Lighting Upgrade	North	Carson City	26,110	Relamp T8's, Replace ballasts and lamps in T12 Fixtures with T8 high output type, Retrofit 2x2 U-tubes and add occupancy sensors	15,633	228,470,683	2605.5	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
Admin	STATE MAIL SERVICES BUILDING	Lighting Upgrade	North	Carson City	8,137	T8 relamp to high output t8 with occupancy sensors in the offices.	7,659	111,928,274	1,276	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
CultAffr	JACOBSEN INTERPRETIVE CENTER	Lighting Upgrade	North	Carson City	10,536	HID Highbay fixtures will be replaced with T5 fluorescent highbay fixtures. T12 troughers will be retrofitted. MR 16 in displays will be replaced with LED's. Incandescent track lighting may be upgraded to CFLs.	23,100	337,598,208	3,850	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
Educ	EDUCATION MODULAR OFFICE-WEST	Lighting Upgrade	North	Carson City	1,152	T8 to high output t8 with occupancy sensors in the offices.	1,429	20,890,752	238	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
military	FETC CSMS 2	Lighting Upgrade	South	North Las Vegas	15,589	T8's upgrade Lamps (relamp). High Pressure Sodium fixtures replaced with highbay fixtures. Add occupancy sensors.	39,000	569,971,000	6,500	15	6	Contracted Design, Agency Agreement Executed, NSOE Approved
NSHE	Southern Science Center	Lighting Upgrade	South	Las Vegas	44,280	Replace T12 ballasts and lamps with T8 high output, Relamp T8 Fixtures add occupancy Sensors	112,088	1,596,684,841	18,209	14	6	Contracted Design, Agency Agreement Executed, NSOE Approved
BusInd	BRADLEY BUILDING	Lighting Upgrade	South	Las Vegas	28,275	Relamp with Super T-8's	27,568	391,613,921	4,466	14	6	SPWB conducting In-House Design, Agency Agreement Executed, NSOE Approved
Governor's Office	CAPITOL	HVAC Control System Upgrade	North	Carson City	54,778	Add mixing box controls to DDC	80,000	1,128,633,775	12,871	14	6	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved

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MtrVeh	DMV OFFICE	Lighting Upgrade	South	Henderson	20,000	Lighting Retrofit	25,954	354,797,810	4,046	14	6	Contracted Design, Agency Agreement Executed, NSOE Approved
AttGen	FRANKIE SUE DEL PAPA BUILDING	Lighting Upgrade	North	Carson City	14,680	Relamp with 28 W T8's and add Occupancy Sensors	12,000	163,159,898	1,861	14	6	Contracted Design, Agency Agreement Executed, NSOE Approved
CNR	NDOW OFFICE	Lighting Upgrade	Rural	Winnemucca	1,440	Replace T12 Ballasts and lamps and add occupancy sensors	2,460	33,417,400	381	14	6	Agency Agreement Executed, NSOE Approved
CNR	HEADQUARTERS OFFICE / SHOP / STORAGE	Lighting Upgrade	North	Washoe Lake	1,920	T12 fixtures will have ballasts and lamps replaced with T8 type and some incandescents will be upgraded to CFL and exterior metal halide fixtures will be replaced. Add occupancy Sensors and LED Exit Signs.	3,840	52,037,782	593	14	6	Agency Agreement Executed, NSOE Approved
Educ	DEPARTMENT OF EDUCATION OFFICE	Lighting Upgrade	North	Carson City	27,500	T12 ballast and lamps replaced with T8 high output type and add occupancy sensors, 18 incandescent to CFL	66,000	880,263,212	10,039	13	7	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	SPECIAL CHILDREN'S CLINIC	Lighting Upgrade	North	Reno	19,800	T12 to have ballasts and lamps replaced with Super T8s Retrofit on East end of building relamp west end of building with 25W and add occupancy sensors.	30,000	375,805,055	4,286	13	7	Agency Agreement Executed, NSOE Approved
PubSafe	NHP REGIONAL HEADQUARTERS	Lighting Upgrade	North	Reno	19,663	Replace t12 fixture, relamp t8's with 25Wor 28 W and occupancy Sensors	35,393	443,367,288	5,056	13	7	Agency Agreement Executed, NSOE Approved
Admin	RENO PURCHASING WAREHOUSE	Lighting Upgrade	North	Reno	60,000	Replace T-12 existing fixtures and add occupancy sensors.	96,000	1,169,171,282	13,333	12	7	Agency Agreement Executed, NSOE Approved
ETR	Fallon Job Connect	Lighting Upgrade	Rural	Fallon	4,000	All T8's are existing. Relamp to 25 watt and add occupancy sensors	4,140	50,420,512	575	12	7	Agency Agreement Executed, NSOE Approved
PubSafe	BUILDING #107, SFMO/SFT/NDI	Lighting Upgrade	North	Stewart	32,832	Relamp T-8s	55,158	671,759,052	7,661	12	7	Agency Agreement Executed, NSOE Approved
Admin	B & G PAINT SHOP	Lighting Upgrade	North	Carson City	5,000	Replace T12 ballasts and lamps with t8 high output type, Relamp T8 Fixtures add occupancy Sensors	9,360	113,994,200	1,300	12	7	Contracted Design, Agency Agreement Executed, NSOE Approved
CNR	CARSON CITY FIRE STATION #11	Lighting Upgrade	North	Carson City	3,280	Replace T12ballasts and lamps to T8 hgih output with Occupancy Sensors	3,936	47,936,023	547	12	7	Contracted Design, Agency Agreement Executed, NSOE Approved

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military	FETC Armory	Lighting Upgrade	South	North Las Vegas	76,062	Relamp T8's fixtures. High Pressure Sodium fixtures replaced with highbay fixtures. Add occupancy sensors.	114,637	1,396,151,272	15,922	12	7	Contracted Design, Agency Agreement Executed, NSOE Approved
MtrVeh	DMV	Lighting Upgrade	North	Carson City	111,666	Fluorescent and add occupancy sensors. T12 fixtures will have ballasts and lamps replaced with t8 high output type.	137,412	1,642,049,517	18,726	12	7.3	Contracted Design, Agency Agreement Executed, NSOE Approved
MtrVeh	DEPARTMENT OF MOTOR VEHICLES OFFICE	Lighting Upgrade	North	Reno	28,800	Replace ballasts and lamps in T12 Fixtures with T8 high output lamps and Relamp T8 Fixtures.	15,444	180,311,466	2,056	12	8	Agency Agreement Executed, NSOE Approved
CNR	SIERRA FRONT INTERAGENCY HANGAR	Lighting Upgrade	North	Minden	7,700	T12 96 inch 2 lamps each replace with 4 foot T8 fixtures. Relamp T8 fixtures with lower wattage T8 lamps. Metal halide wall packs will be replaced.	6,780	73,029,244	833	11	8	Agency Agreement Executed, NSOE Approved
Military	Washoe County Armory	Lighting Upgrade	North	Stead	55,766	400 watt metal halides will be replaced with T5 high bay. 50 watt metal halide down the hall will be replaced. 4 tube trougher T8's will be relamped with 2 tubes. Add occupancy sensors. If relight 1000 fixture cost is as listed if relamp cost is \$100k less.	202,665	2,161,514,051	24,650	720,940	8	Agency Agreement Executed, NSOE Approved
Personnel	BLASDEL BUILDING	Lighting Upgrade	North	Carson City	41,680	Relamp T8 Fixtures with 25 W lamps and add Occupancy Sensors, replace hallway fixtures.	45,014	474,215,872	5,408	11	8	Contracted Design, Agency Agreement Executed, NSOE Approved
POST	BUILDING #006, ADMINISTRATION (P.O.S.T.)	Lighting Upgrade	North	Stewart	18,745	Relamp with T8s and add occupancy sensors.	33,741	352,223,288	4,017	10	8	Agency Agreement Executed, NSOE Approved
POST	BLDG #012, DORMITORY (P.O.S.T.)	Lighting Upgrade	North	Stewart	14,572	T12 ballasts and lamps to T8 high output and add occupancy sensors.	17,486	182,541,042	2,082	10	8	Agency Agreement Executed, NSOE Approved
PubSafe	BUILDING #013, DORM [DMV&PS]	Lighting Upgrade	North	Stewart	14,572	T12 ballasts and lamps to T8 high output type and add occupancy sensors.	21,858	228,176,303	2,602	10	8	Agency Agreement Executed, NSOE Approved
Admin	BUILDINGS & GROUNDS OFFICE	Lighting Upgrade	North	Carson City	7,800	Replace T12 ballasts and lamps with T8 high output type, Relamp T8 Fixtures add occupancy Sensors.	14,040	146,563,971	1,671	10	8	Contracted Design, Agency Agreement Executed, NSOE Approved
Admin	BUILDING #160, NEW GYM	Lighting Upgrade	North	Stewart	37,150	Replace metal halides with Highbay T5 Fluorescent and add occupancy sensors. T12 fixtures will have ballasts and lamps replaced with t8 high output type.	222,900	2,326,859,632	26,536	10	8	Agency Agreement Executed, NSOE Approved
Admin	B & G MAINTENANCE BUILDING / DOIT GARAGE	Lighting Upgrade	South	Las Vegas	7,879	Replace T12 ballasts and lamps with t8 high output. Add occupancy sensors.	14,182	148,048,401	1,688	10	8	Contracted Design, Agency Agreement Executed, NSOE Approved



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Agency	Building Name	Project Name	Location	City	Building Area (sf)	Project Description	Project Cost	Source Btu Saved per year	\$ Saved per year	Million Source Btu Saved per year Per \$1,000 Spent	Payback Period (years)	Current Status
CultAffr	MUSEUM ADMINISTRATIVE BUILDING	Lighting Upgrade	North	Carson City	1,500	Relamp T8's and replace lamps with CFL's in incandescent fixtures.	876	7,777,140	89	9	8.4	Contracted Design, Agency Agreement Executed, NSOE Approved
Admin	MOTOR POOL	Lighting Upgrade	North	Carson City	3,987	See PK sheet.	12000	48,370,019	552	4	8	Contracted Design, Agency Agreement Executed, NSOE Approved
Trans	MAINTENANCE STATION	Lighting Upgrade	Rural	Tonopah	11,765	T12s will have ballasts and lamps replaced unless they are 8 foot fixtures then the fixtures will be replaced. Occupancy sensors will be added and incandescent fixtures will have the lamps replaced with CFL's. Wall pack fixtures will be replaced.	53,952	562,879,421	6,419	10	8	Agency Agreement Executed, NSOE Approved
CultAffr	NEVADA STATE MUSEUM	Lighting Upgrade	North	Carson City	44,337	Replace T12 fixtures, Relamp T8 Fixtures add a few occupancy Sensors.	18,348	188,441,532	2,149	10	9	Contracted Design, Agency Agreement Executed, NSOE Approved
CNR	WESTERN REGIONAL HEADQUARTERS	Lighting Upgrade	North	Washoe Valley	12,330	T8's relamped to high output T8 lamps. T12's in parts storage and other areas. T5 HO's to remain. 2x2 tube T8's are also existing.	11,340	115,945,781	1,322	10	9	Agency Agreement Executed, NSOE Approved
AttGen	HEROES MEMORIAL ANNEX	Lighting Upgrade	North	Carson City	6,819	Relamp T8 fixtures with 25 W lamps and add Occupancy Sensors.	12,000	121,262,926	1,383	10	9	Contracted Design, Agency Agreement Executed, NSOE Approved
HHS	BELROSE BUILDING	Lighting Upgrade	South	Las Vegas	41,075	Relamp with Super T8's.	45182.5	454,640,241	5,185	10	9	Contracted Design, Agency Agreement Executed, NSOE Approved
Supreme C	SUPREME COURT	Variable Frequency Drive Installation	North	Carson City	118,900	Install variable frequency drive on cooling tower.	40,000	120,217,324	4,579	3	9	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
Gaming	SAWYER OFFICE BUILDING	Lighting Upgrade	South	Las Vegas	224,000	Relamp with Super T8's.	365,250	3,614,414,099	41,219	10	9	Contracted Design, Agency Agreement Executed, NSOE Approved
Correct	BUILDING #018, OFFICE [NDOC]	Lighting Upgrade	North	Stewart	3,700	Relamp T8 to High Output and add occupancy sensors.	4,533	44,502,196	508	10	9	Agency Agreement Executed, NSOE Approved
Correct	BUILDING #017, SCHOOL [NDOC]	Lighting Upgrade	North	Stewart	41,826	Relamp T8 to High Output type T8 lamps and add occupancy sensors.	48,727	465,493,036	5,309	10	9	Agency Agreement Executed, NSOE Approved
Correct	BUILDING #089, ADMINISTRATION [NDOC]	Lighting Upgrade	North	Stewart	17,545	Relamp T8 to High Output T8 lamps and add occupancy sensors.	21,493	202,621,043	2,311	9	9	Agency Agreement Executed, NSOE Approved
Admin	BUILDINGS & GROUNDS GARAGE	Lighting Upgrade	North	Carson City	2,400	See PK sheet.	5160	48,135,030	549	9	9	Contracted Design, Agency Agreement Executed, NSOE Approved

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Admin	BUILDING #084 , B&G SHOP	Lighting Upgrade	North	Stewart	4,581	Misc. Fixtures to be upgraded.	10,994	102,561,197	1,170	9	9	Agency Agreement Executed, NSOE Approved
CNR	HQ WELDING SHOP	Lighting Upgrade	North	Washoe Valley	1,250	T12 96 inch 2 lamps each.	1,440	13,040,936	149	9	10	Agency Agreement Executed, NSOE Approved
Governor's	GOVERNORS MANSION NORTH HALL	Lighting Upgrade	North	Carson City	6,608	Lamp Replacement and Occupancy Sensors.	13,757	124,452,028	1,419	9	10	Contracted Design, Agency Agreement Executed, NSOE Approved
CultAffr	INDIAN HILLS WAREHOUSE	Lighting Upgrade	North	Carson City	15,440	8 foot T12 fixtures will be replaced and T12 fixtures will have ballasts and lamps replaced to T8 High Output.	30,655	276,971,708	3,159	9	10	Contracted Design, Agency Agreement Executed, NSOE Approved
Wildlife	HATCHERY RACEWAY SHELTER	Lighting Upgrade	Rural	Mason Valley	75,600	T12's, T8's, Incandescents, Exit signs, High Pressure Sodium fixtures will all be replaced or upgarded.	105,720	946,379,848	10,793	9	10	Agency Agreement Executed, NSOE Approved
Legis	PARKING GARAGE	Lighting Upgrade	North	Carson City	144,452	Existing consists of Poles lights on upper level, wall packs, ceiling mounted t12's. There are also some 8' fluorescents to be replaced with 4' t8's. LED lamps will replace fluorescent lamps.	267,540	1,917,291,249	21,865	7	12	Contracted Design, Agency Agreement Executed, NSOE Approved
NSHE	FLORA DUNGAN HUMANITIES (UNLV)	HVAC Control System Upgrade	South	Las Vegas	99,960	DDC upgrade.	200,000	370,569,703	14,115	2	14	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
AttGen	ATTORNEY GENERAL'S OFFICE	Lighting Upgrade	North	Carson City	27,900	Retrofit 2x2 fixtures, Relamp 32W T8 fixtures w/ 25 watt, delamp hallways by half.	330,000	1,662,096,993	18,955	5	17	Contracted Design, Agency Agreement Executed, NSOE Approved
Controller	STATE OFFICES BUILDING	Lighting Upgrade	North	Carson City	42,550	Relamp with 25 W's, Occupancy Sensors, replace hallway fixtures with LEDs.	111,900	424,482,482	4,841	4	23	SPWB conducting In-House Design, Agency Agreement Executed, NSOE Approved
Controller	STATE OFFICES BUILDING	Upgrade Computer AC units	North	Carson City	42,550	Replace HVAC units for computer room to high efficiency units.	218,040	214,623,261	8,175	1	27	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
MtrVeh	DMV Offices	Solar Photovoltaic	South	Henderson	20,000	30KW PV.	300,000	683,908,203	7,653	2	39	Notice to Proceed with Construction on 4/12/10, Agency Agreement Executed, NSOE Approved
Gaming	Sawyer Building	Solar Photovoltaic PV Parking Structures	South	Las Vegas		30KW PV Parking Structures.	484,197	820,696,683	9,359	2	52	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved
CultAffr	LIBRARY ARCHIVES	Solar Photovoltaic	North	Carson City	130,000	30KW PV.	352,549	629,088,392	5,353	2	66	Design Contract to BOE 5/11/10 mtg, Agency Agreement Executed, NSOE Approved

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Legis	PARKING GARAGE	Solar PV	North	Carson City	144,452	30KW PV.	380,000	629,088,392	5,353	2	71	Contracted Design, Agency Agreement Executed, NSOE Approved
NSHE	IGT APPLIED TECHNOLOGY (TMCC)	Rooftop Unit Replacment	South	Reno	83,189	Mechanical upgrade - replace inefficient units.	400,000	107,920,460	4,111	0	97 (1)	Design Contract to BOE 5/11/10 mtg. Agency Agreement Executed, NSOE Approved
MtrVeh	DMV OFFICE	Water Cooled HVAC Unit and CO2 Control	South	Henderson	20,000	Replace air cooled HVAC unit with water cooled HVAC unit.	225,000	49,044,810	1,868	0	120 (2)	Design Contract to BOE 5/11/10 mtg. Agency Agreement Executed, NSOE Approved
	Number of Projects:	124	Totals:		3,749,114		7,000,000	62,132,766,673	745,188	9	9	
<p>(1)IGT APPLIED TECHNOLOGY (TMCC): This project consists of replacing multiple rooftop HVAC units at the IGT Applied Technology Building in Reno, Nevada. The service life of the existing HVAC units is well past the estimated service life of 15 years which is published in the ASHRAE Handbook. The average HVAC unit at this site was installed in the late 1970's having a service life thus far of 30 plus years. Since the equipment has far exceeded its service life and repairs and maintenance are becoming more costly due to the availability of replacement parts, and increased energy savings will be obtained with more efficient HVAC units, it is recommended that this project be approved.</p> <p>(2)HENDERSON DMV OFFICE: This project consists of replacing a the single HVAC unit that serves the entire Henderson DMV office. The existing HVAC unit is equipped with air-cooled condensers, and the proposed replacement HVAC unit would have water cooled condensers. The HVAC system efficiency will be improved resulting in an estimated energy savings of nearly \$2,000 per year. Another advantage of the water cooled unit is increased cooling capacity which occurs due to lower condenser temperatures. This is a major benefit to this building which is in a hot climate and heavily occupied throughout the year. The existing unit has been in service approximately 13 years and is approaching the end of its estimated service life of 15-20 years.</p>												